NABORS
COMPLETION & PRODUCTION SERVICES CO.

SONIC LOG

Company MAI OIL OPERATIONS, INC.
Well HAMMEKE M #8
Field SYMS SE
County STAFFORD State KANSAS

Location: API # : 15-185-23893-00-00
765' FSL & 330' FWL
S2 - NW - SW - SW
SEC 22 TWP 21S RGE 12W

Other Services
CNL/CDL
DIL/MEL

Permanent Datum GROUND LEVEL Elevation 1841
Log Measured From KELLY BUSHING 8' A.G.L.
Drilling Measured From KELLY BUSHING

Elevation
K.B. 1849
D.F. 1847
G.L. 1841

Company MAI OIL OPERATIONS, INC.
Well HAMMEKE M #8
Field SYMS SE
County STAFFORD
State KANSAS

Date	820/14		
Run Number	TWO		
Depth Driller	3700		
Depth Logger	3698		
Bottom Logged Interval	3688		
Top Log Interval	580		
Casing Driller	8 5/8" @ 600		
Casing Logger	603'		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 10,000 PPM	
Density / Viscosity	9.2/43		
pH / Fluid Loss	9.5/11.2		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.20 @ 84F		
Rmf @ Meas. Temp	0.90 @ 84F		
Rmc @ Meas. Temp	1.44 @ 84F		
Source of Rmf / Rmc	MEASURED		
Rm @ BHT	0.88 @ 113F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	113F		
Equipment Number	680		
Location	HAYS, KS.		
Recorded By	IAN MABB		
Witnessed By	WYATT URBAN		

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

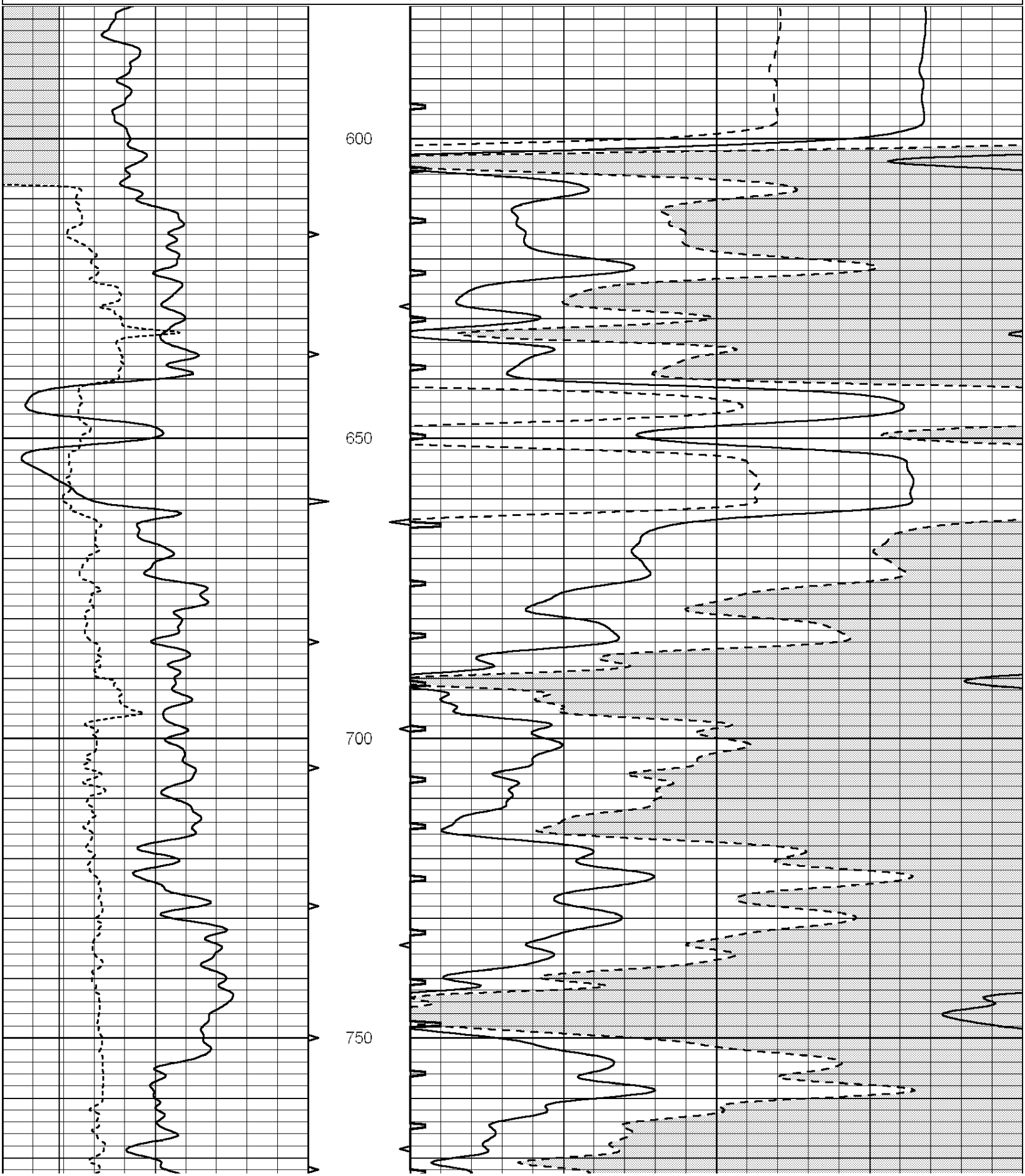
THANK YOU FOR USING NABORS COMPLETION & PRODUCTION SVCS. (785) 628-6395

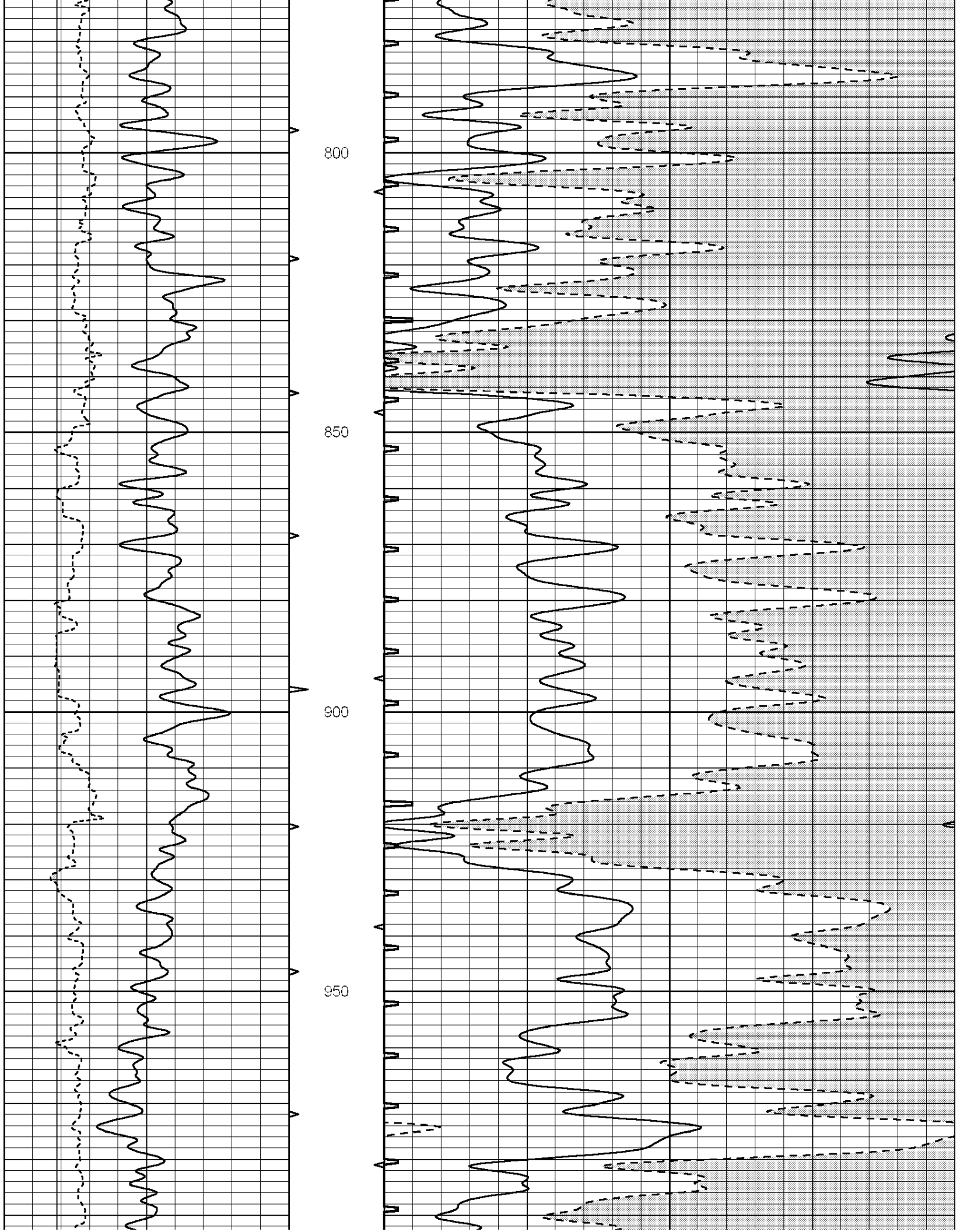
DIRECTIONS: ELLINWOOD, KS. - SOUTH TO THE COUNTY LINE - 3 MORE MILES SOUTH TO RD. 170 - WEST 2 MILES - NORTH INTO

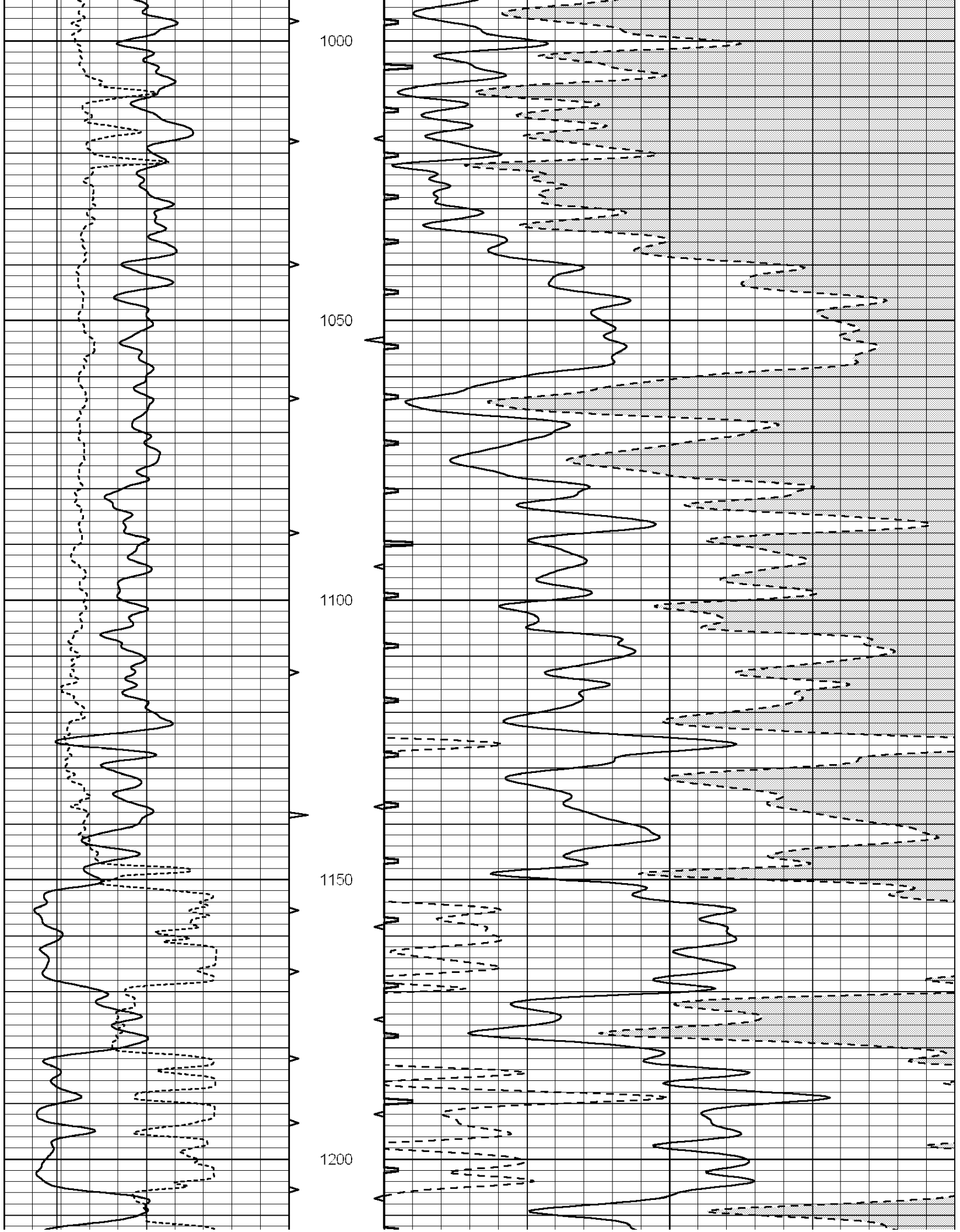
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Presentation Format: _slt
Dataset Creation: Wed Aug 20 13:39:35 2014 by Calc Open-Cased 090629

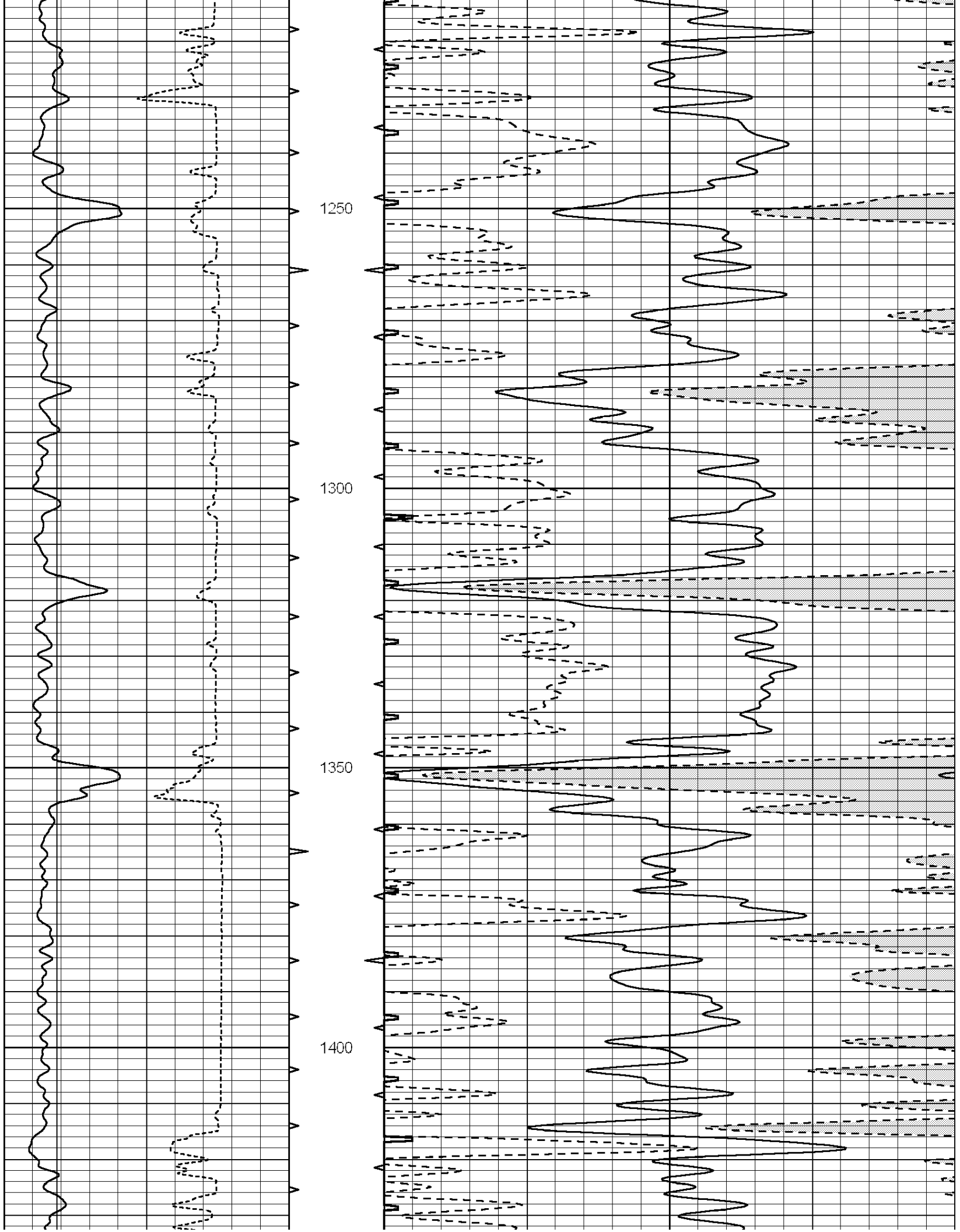
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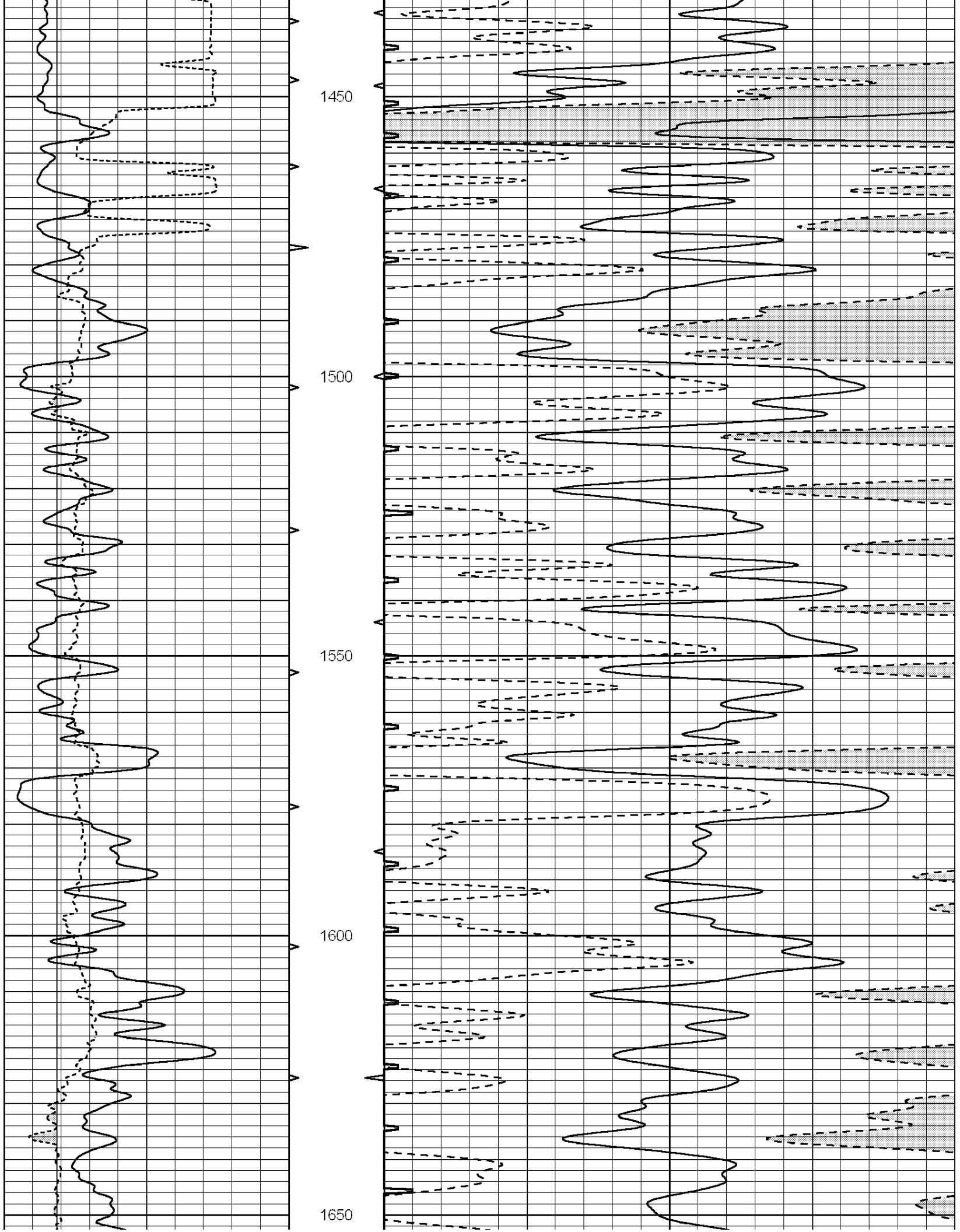
0 GAMMA RAY (GAPI) 150	ABHV	140 DELTA TIME (usec/ft) 40
6 CALIPER (in) 16	10 (ft3) 0	30 SONIC POROSITY (pu) -10
	TBHV	0 ITT (msec) 20
	0 (ft3) 10	

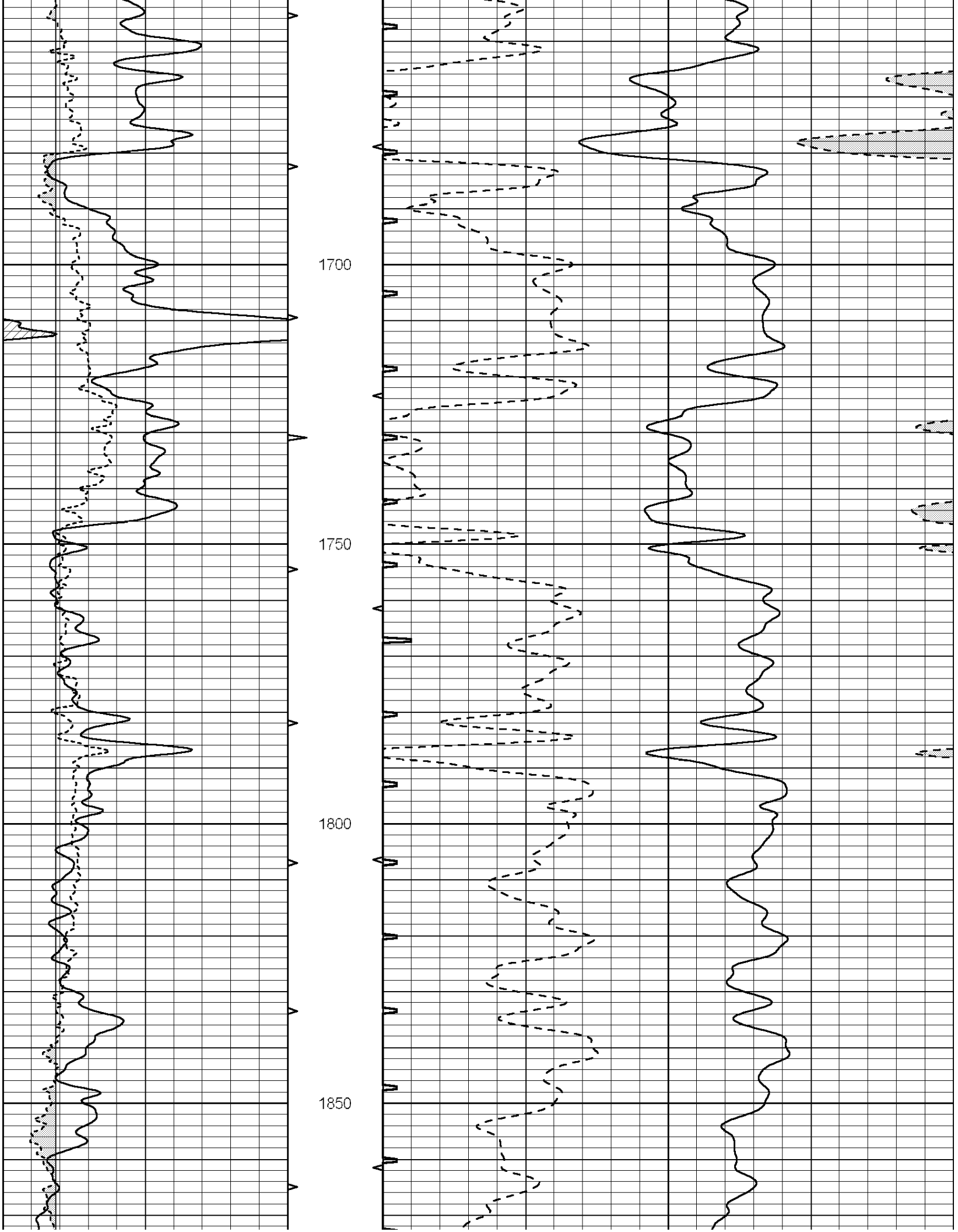


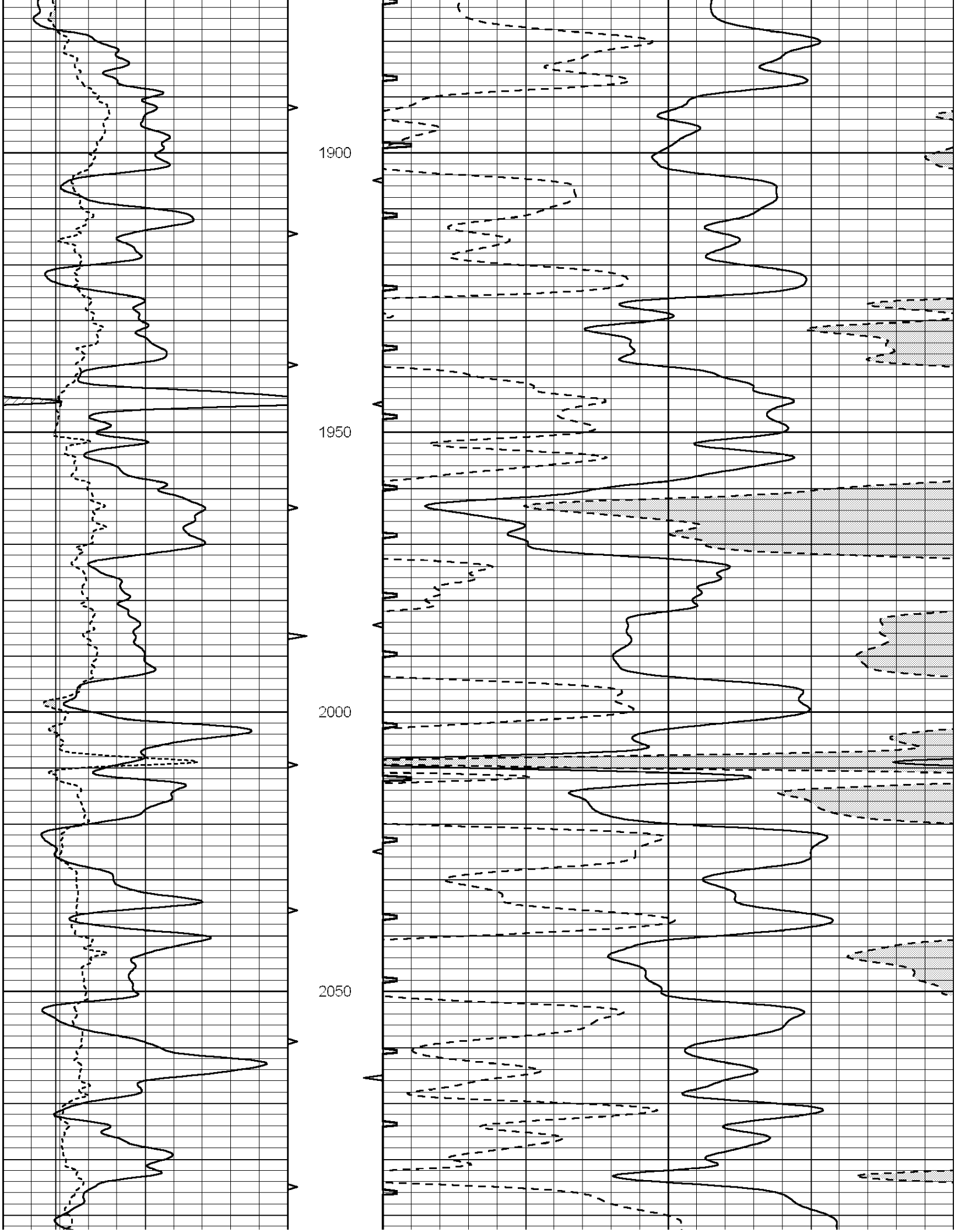

800
850
900
950

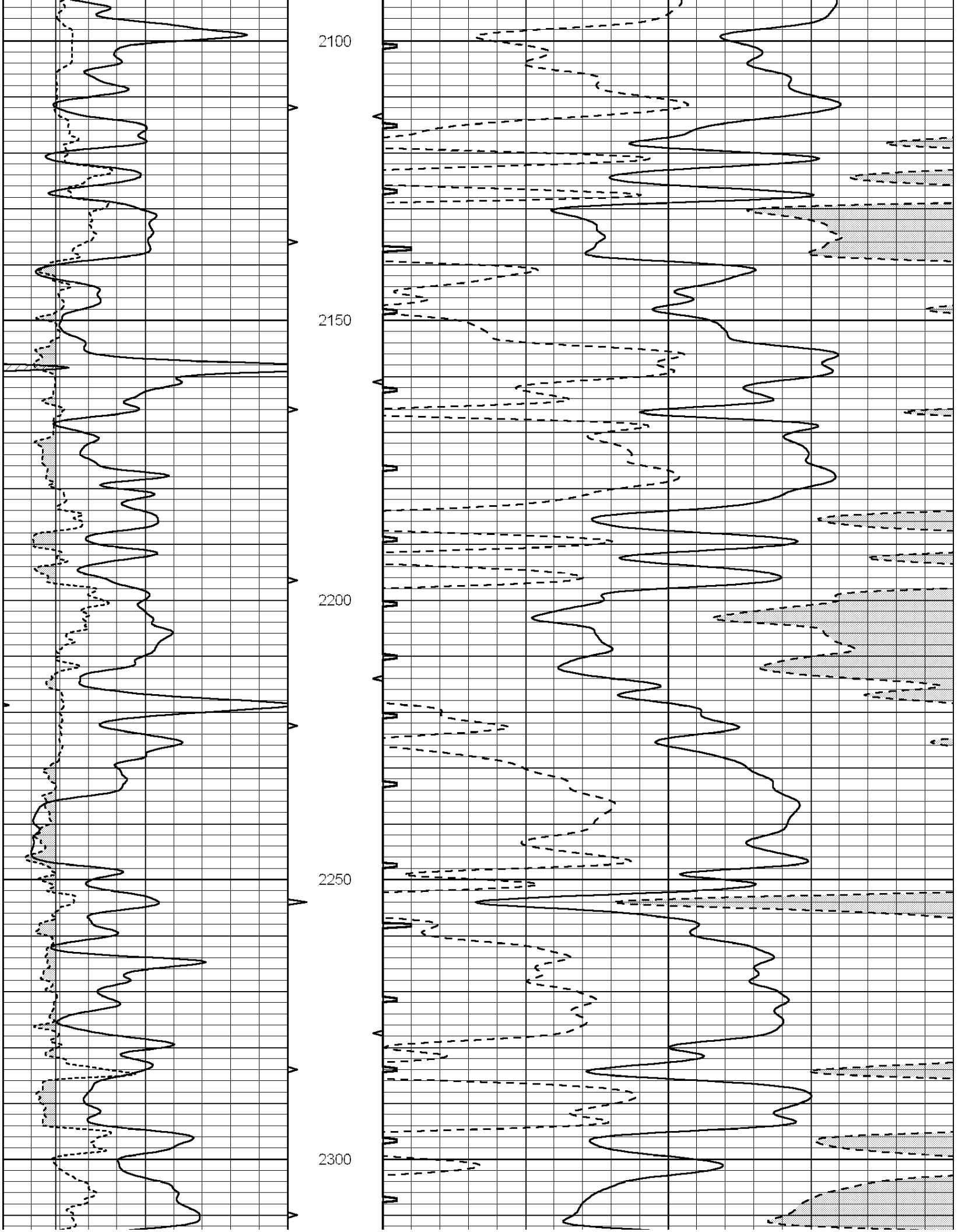

1000
1050
1100
1150
1200

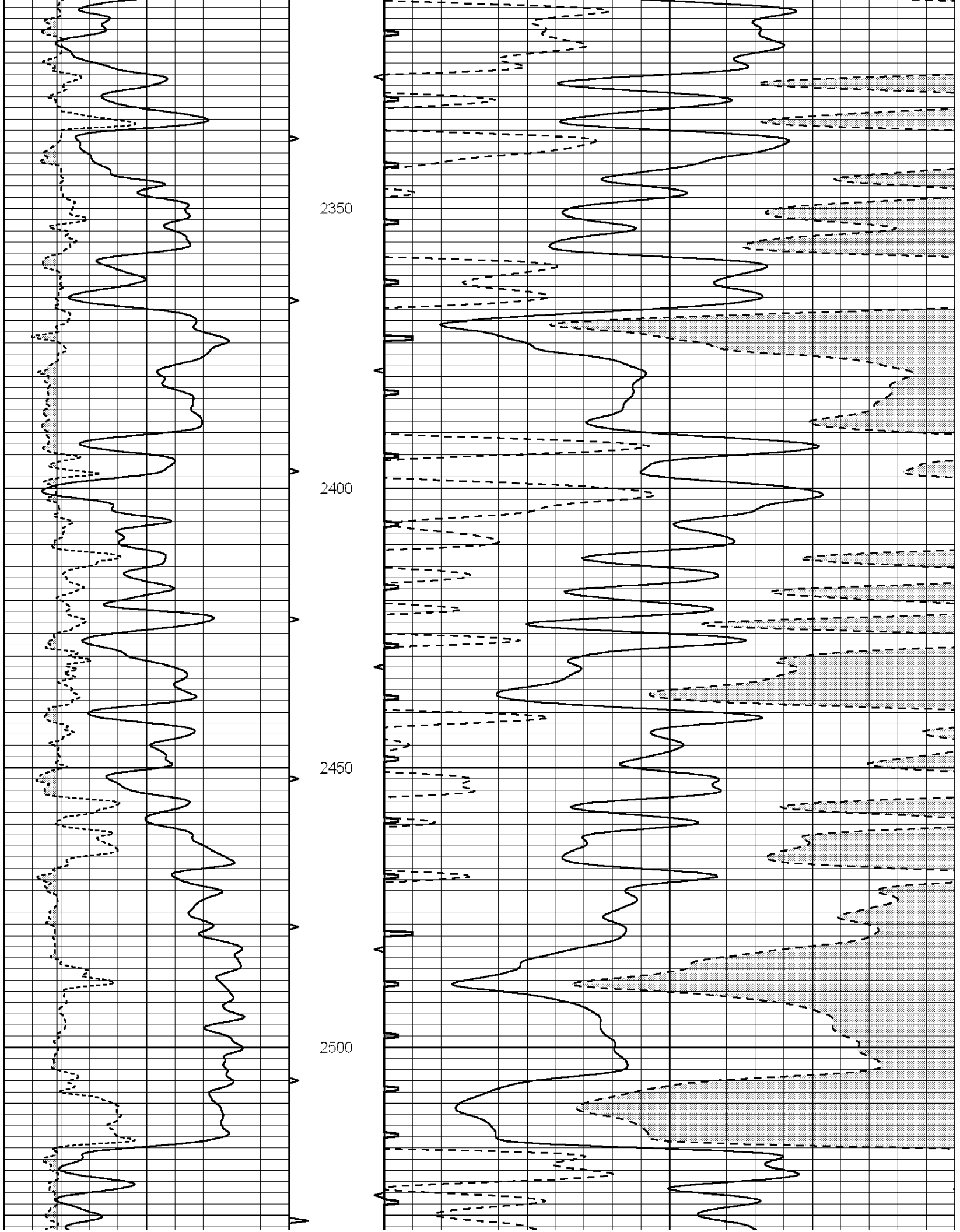

1250
1300
1350
1400

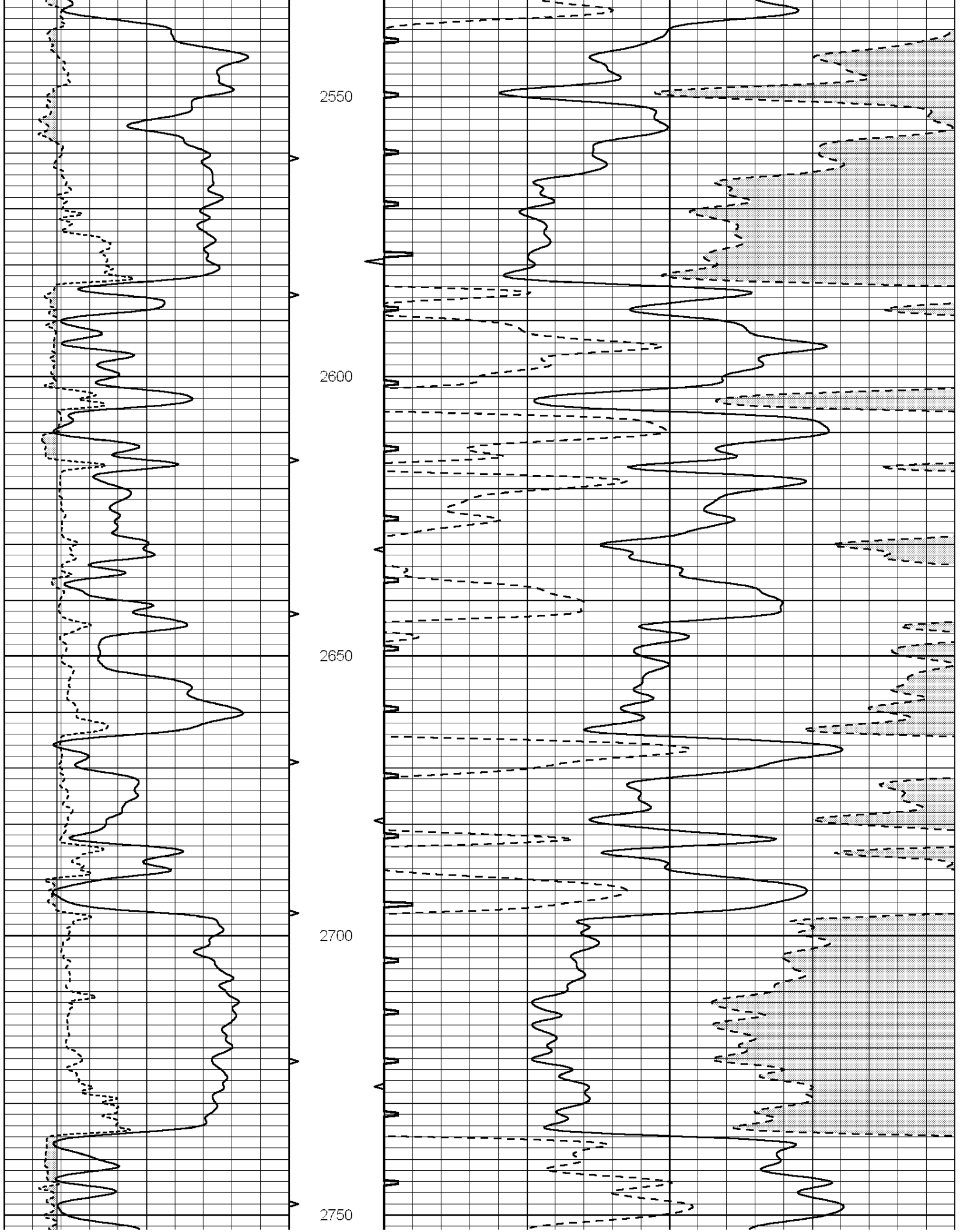

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1550
1600
1650

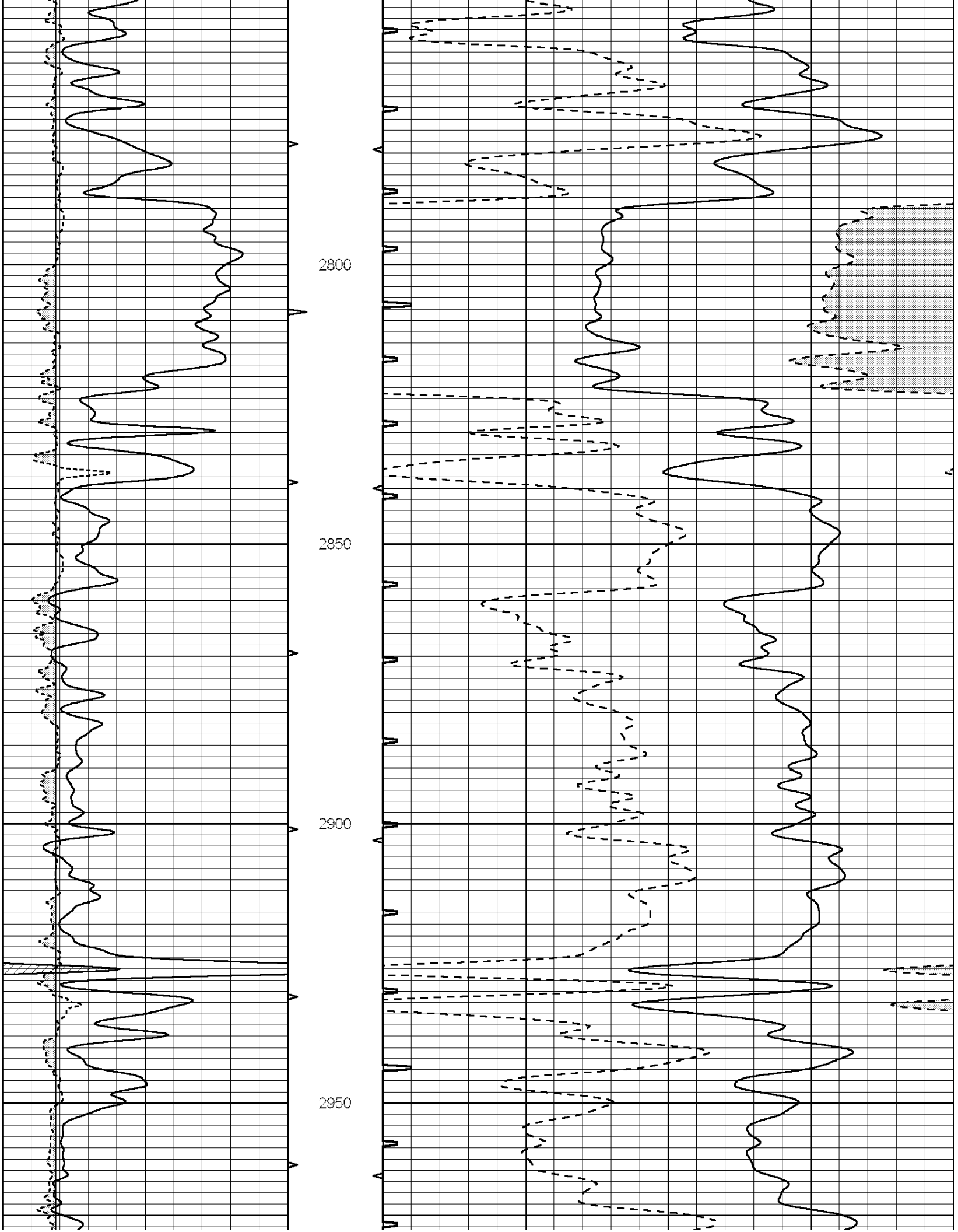

1700
1750
1800
1850

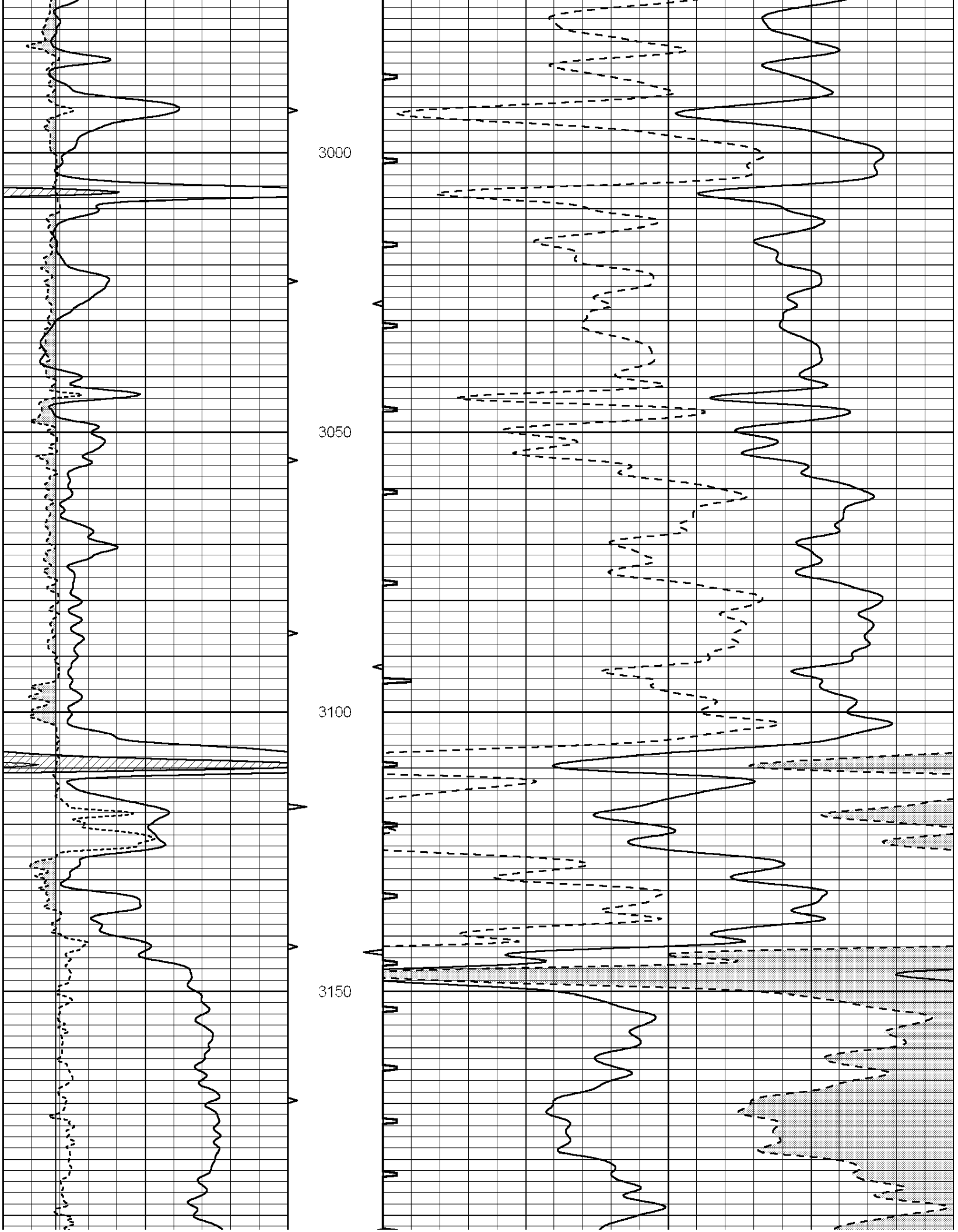

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1950
2000
2050

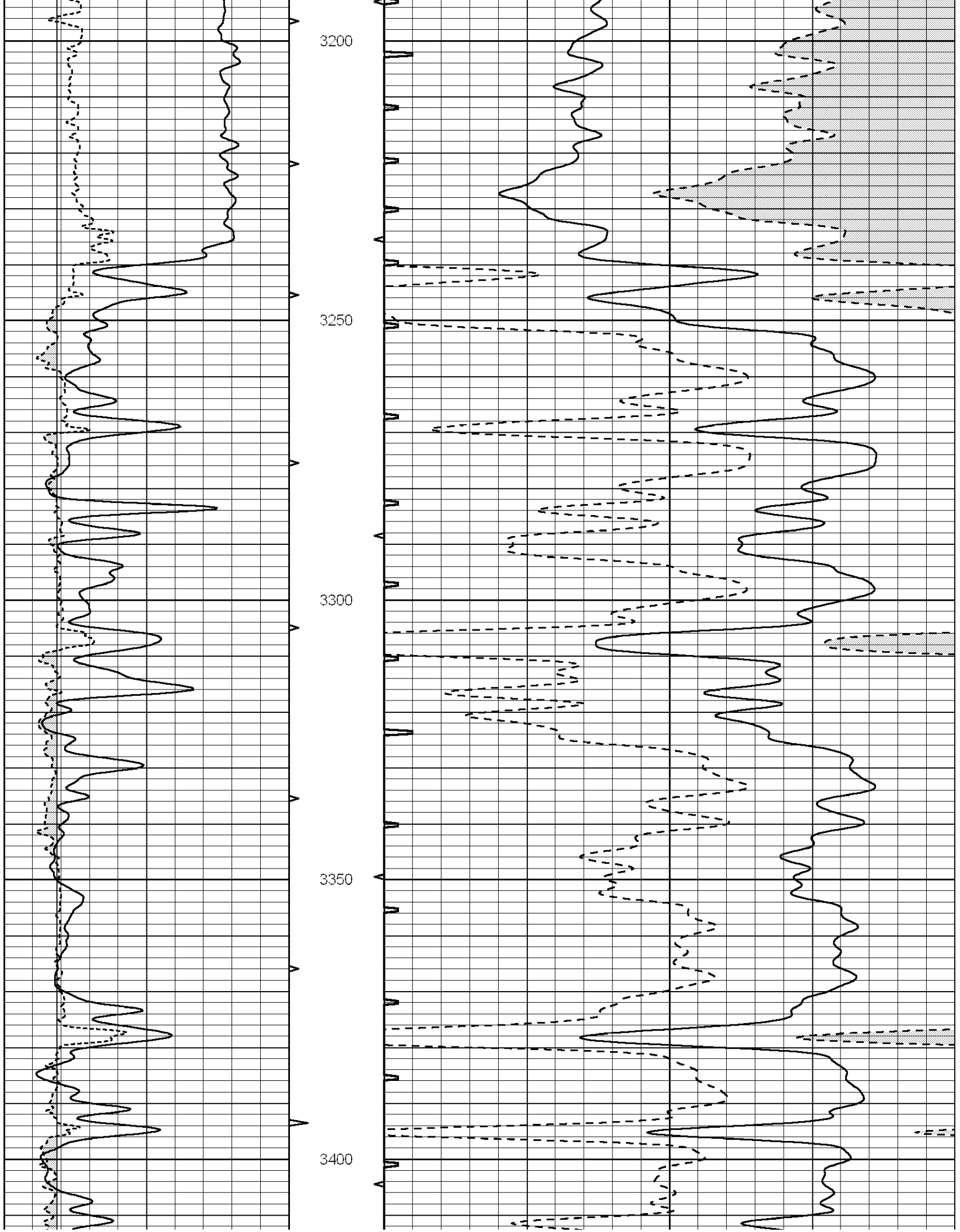

2100
2150
2200
2250
2300

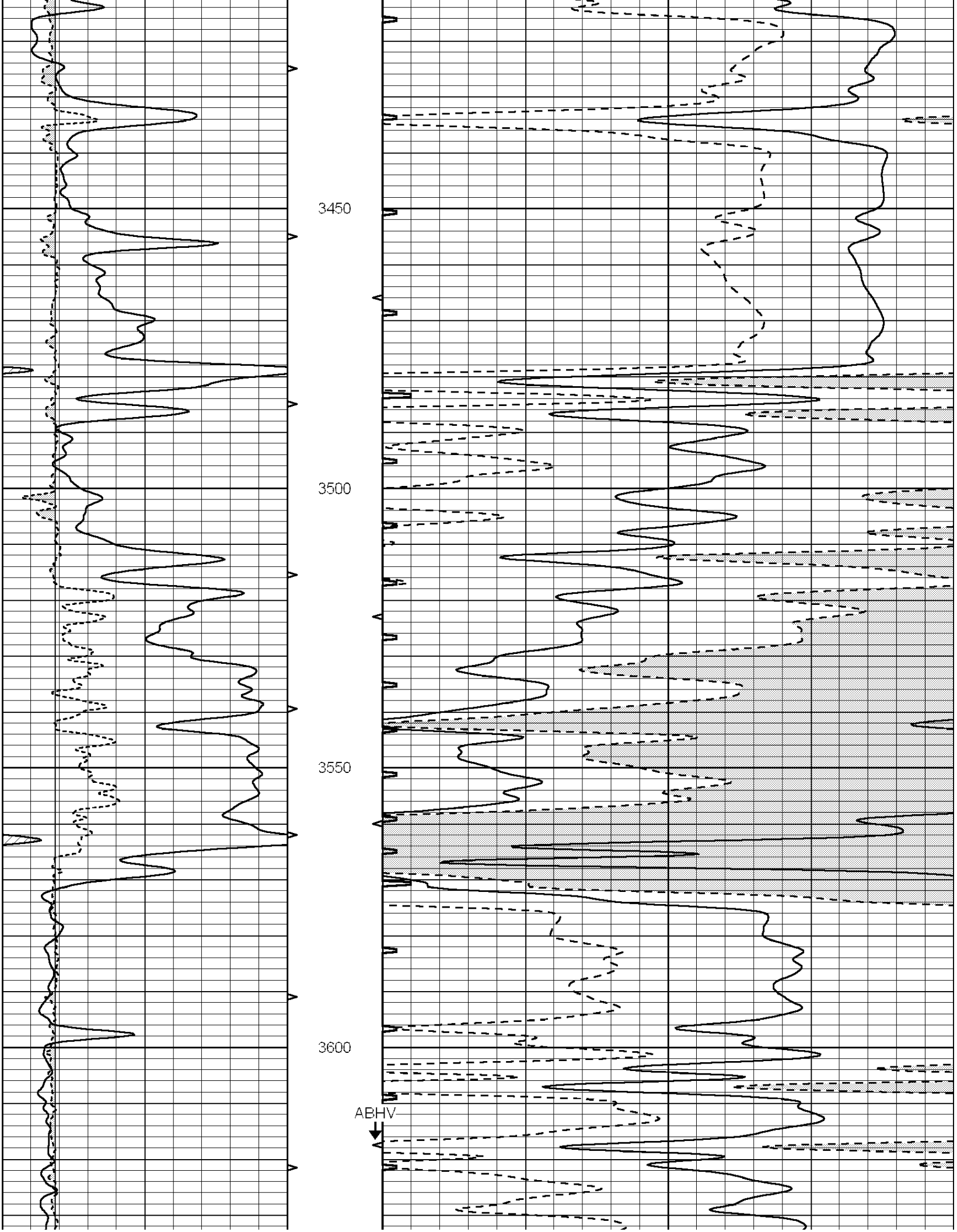

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2400
2450
2500

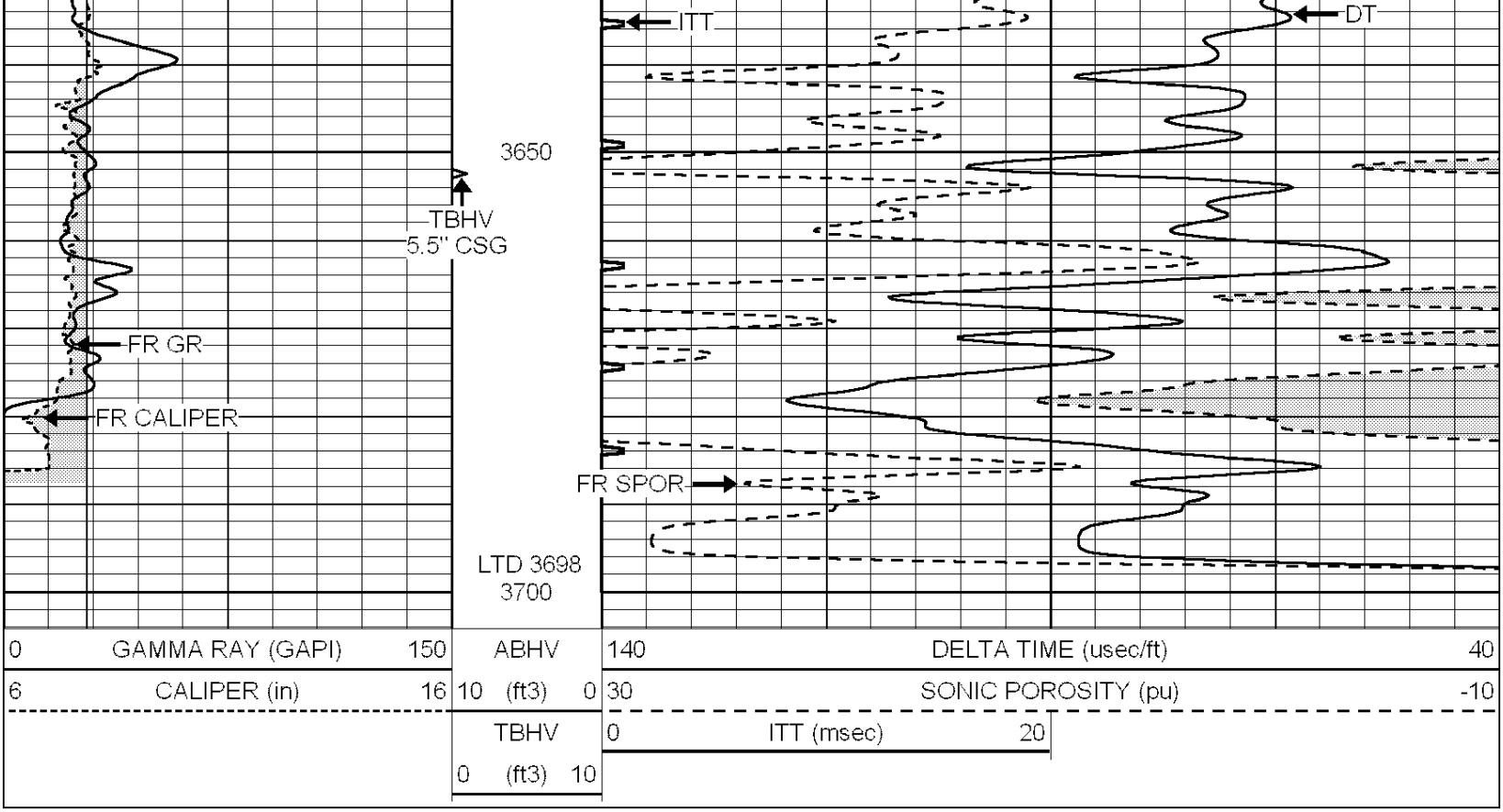

2550
2600
2650
2700
2750


2800
2850
2900
2950


3000
3050
3100
3150


3200
3250
3300
3350
3400

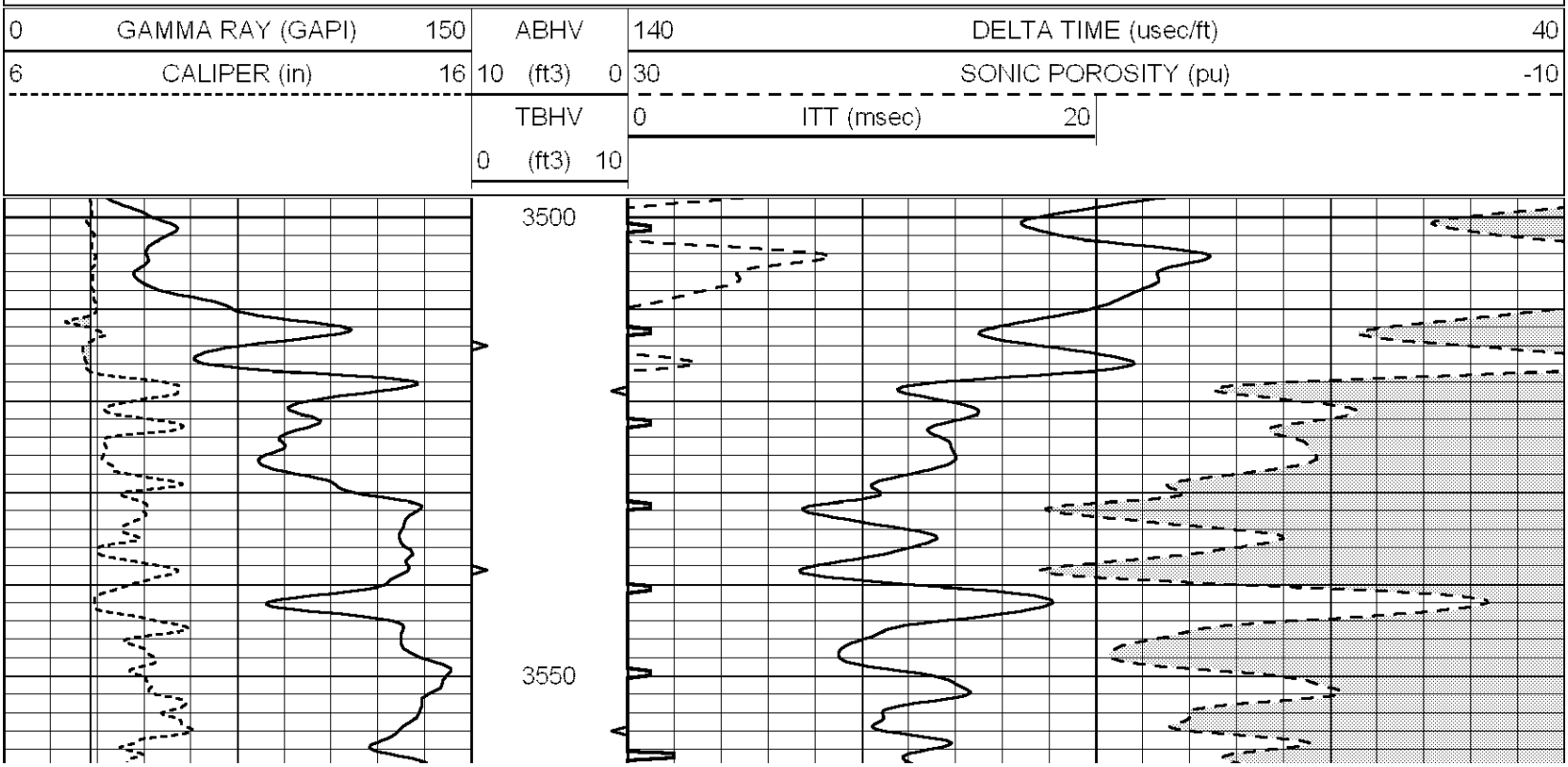

3450
3500
3550
3600
ABHV

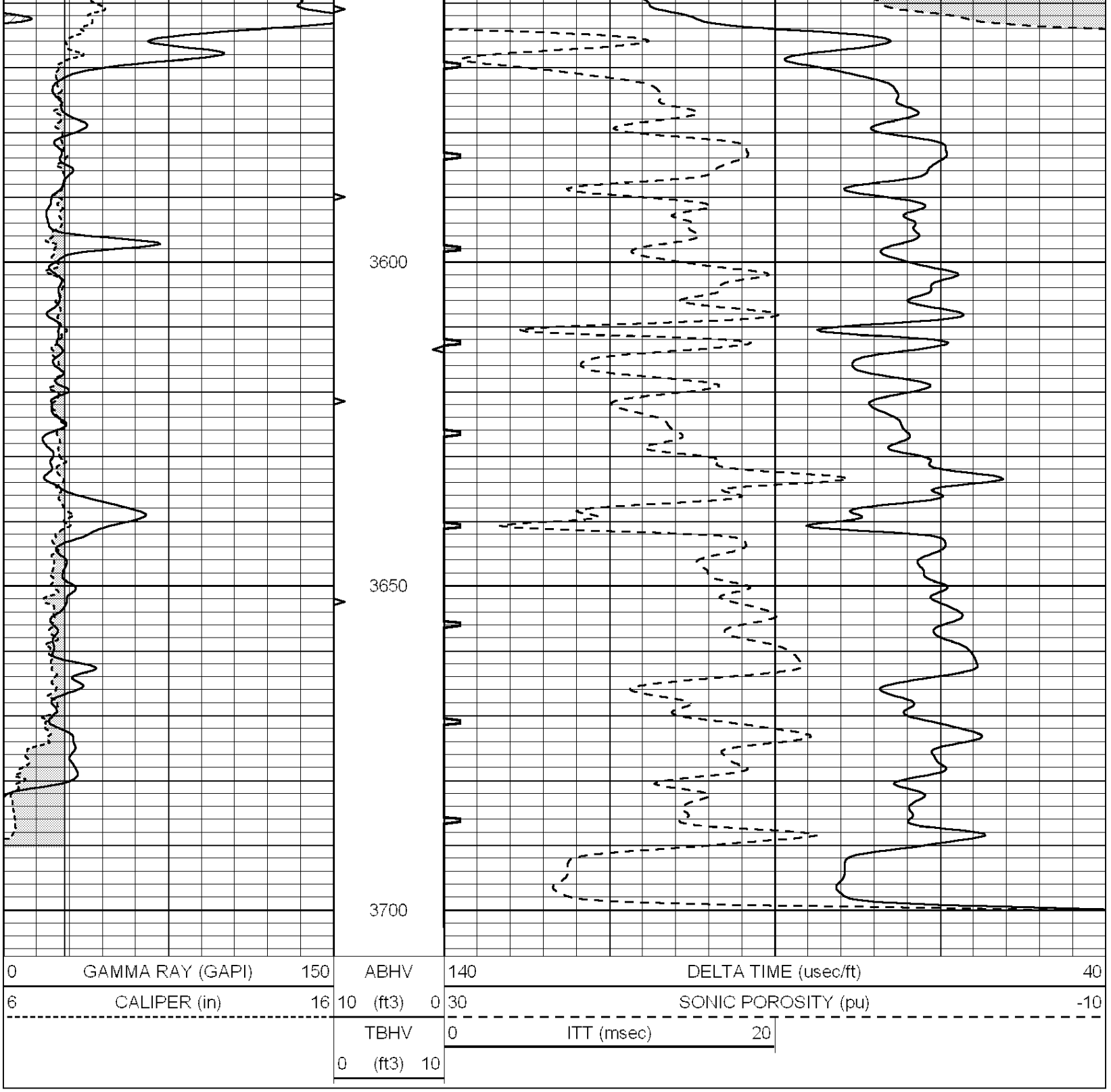


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COMPLETION & PRODUCTION SERVICES CO.

REPEAT SECTION

Database File: 25805ddn.db
Dataset Pathname: pass5.1
Presentation Format: _slt
Dataset Creation: Wed Aug 20 12:26:18 2014 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240




3600
3650
3700
0 GAMMA RAY (GAPI) 150
6 CALIPER (in) 16
ABHV
10 (ft3) 0
TBHV
0 (ft3) 10
140 DELTA TIME (usec/ft) 40
30 SONIC POROSITY (pu) -10
0 ITT (msec) 20